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SYSTEM AND METHOD FOR GENERATING ELECTROMAGNETIC
FIELDS OF VARYING SHAPE BASED ON A DESIRED TARGET

Inventor: Reza Kassayan

Attorney Docket No.: 63519.00002

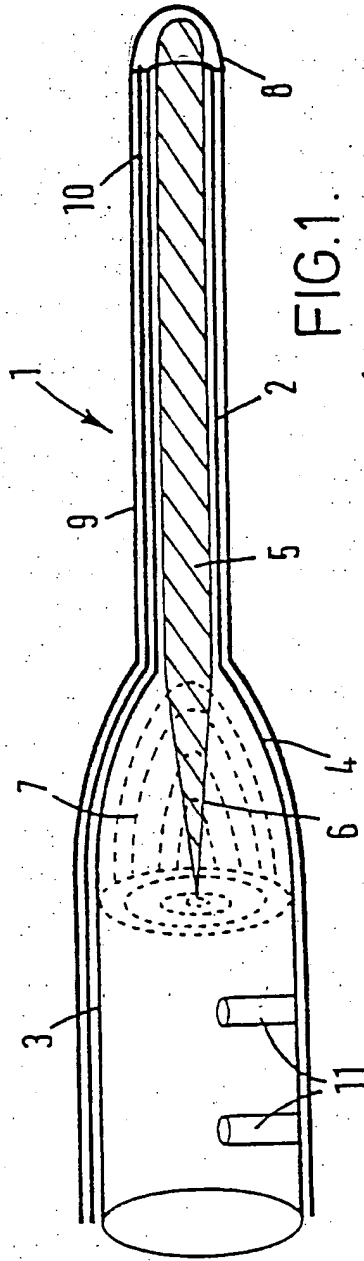


FIG. 1.
(Prior Art)

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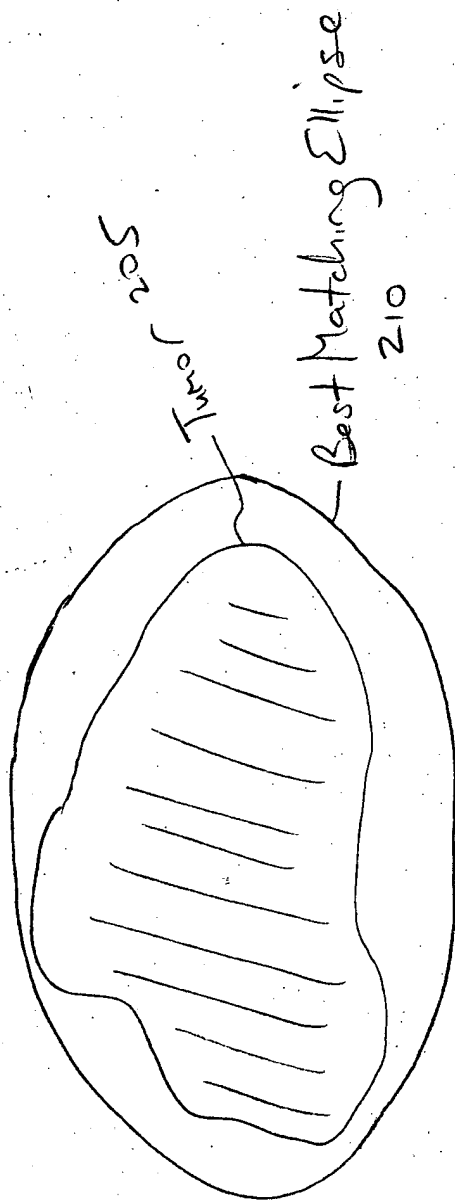


FIG. 2

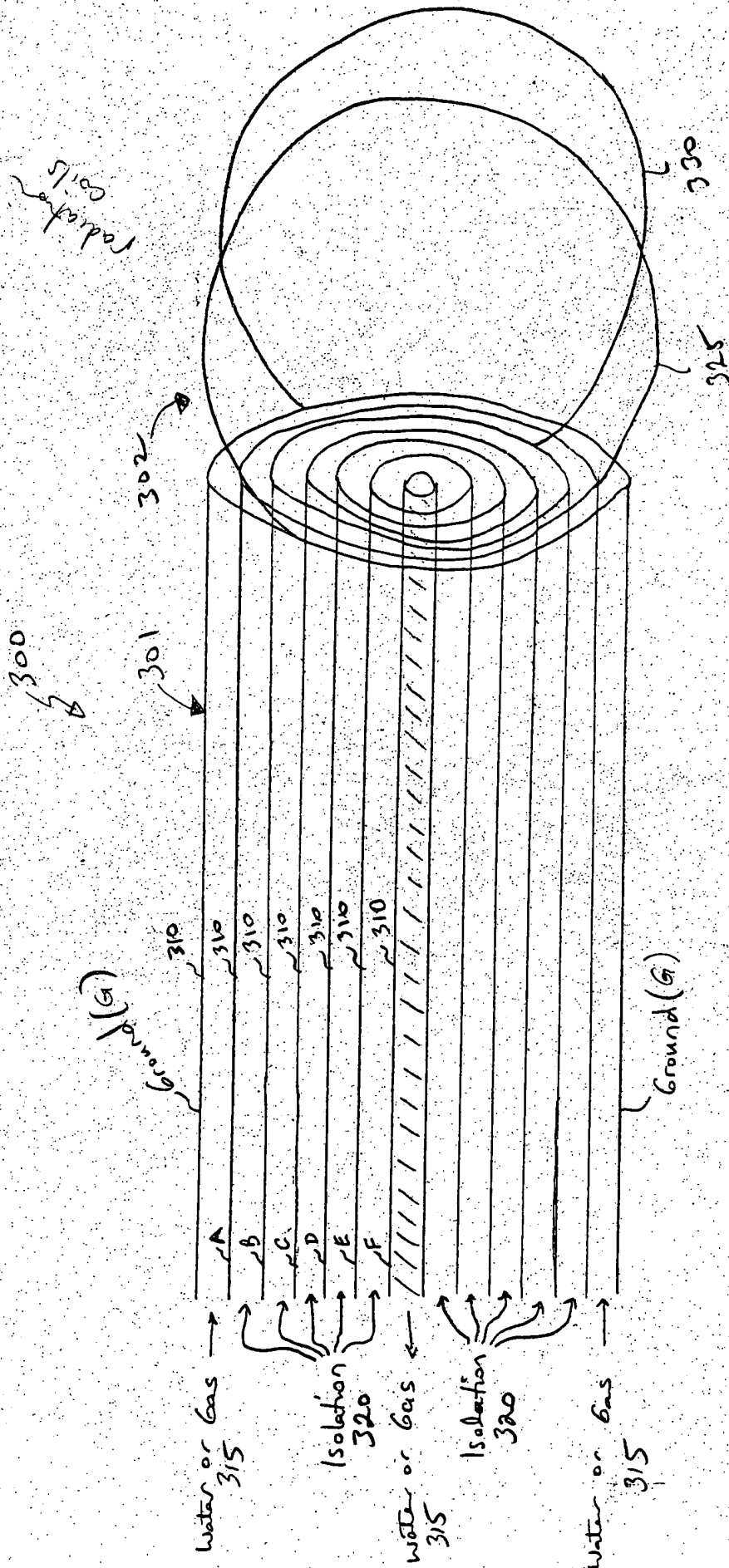


FIG. 3AB

SYSTEM AND METHOD FOR GENERATING ELECTROMAGNETIC
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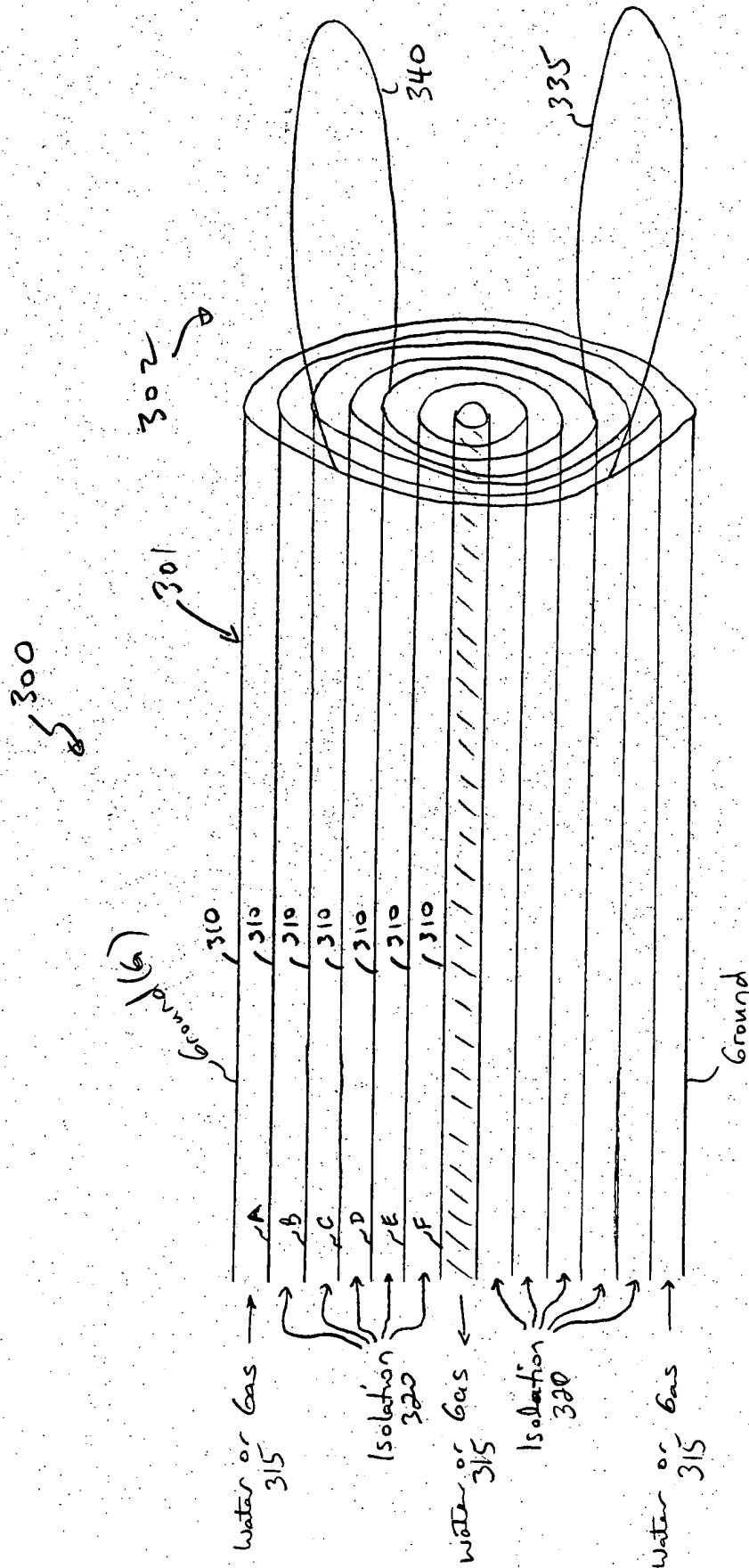


FIG. 3CD

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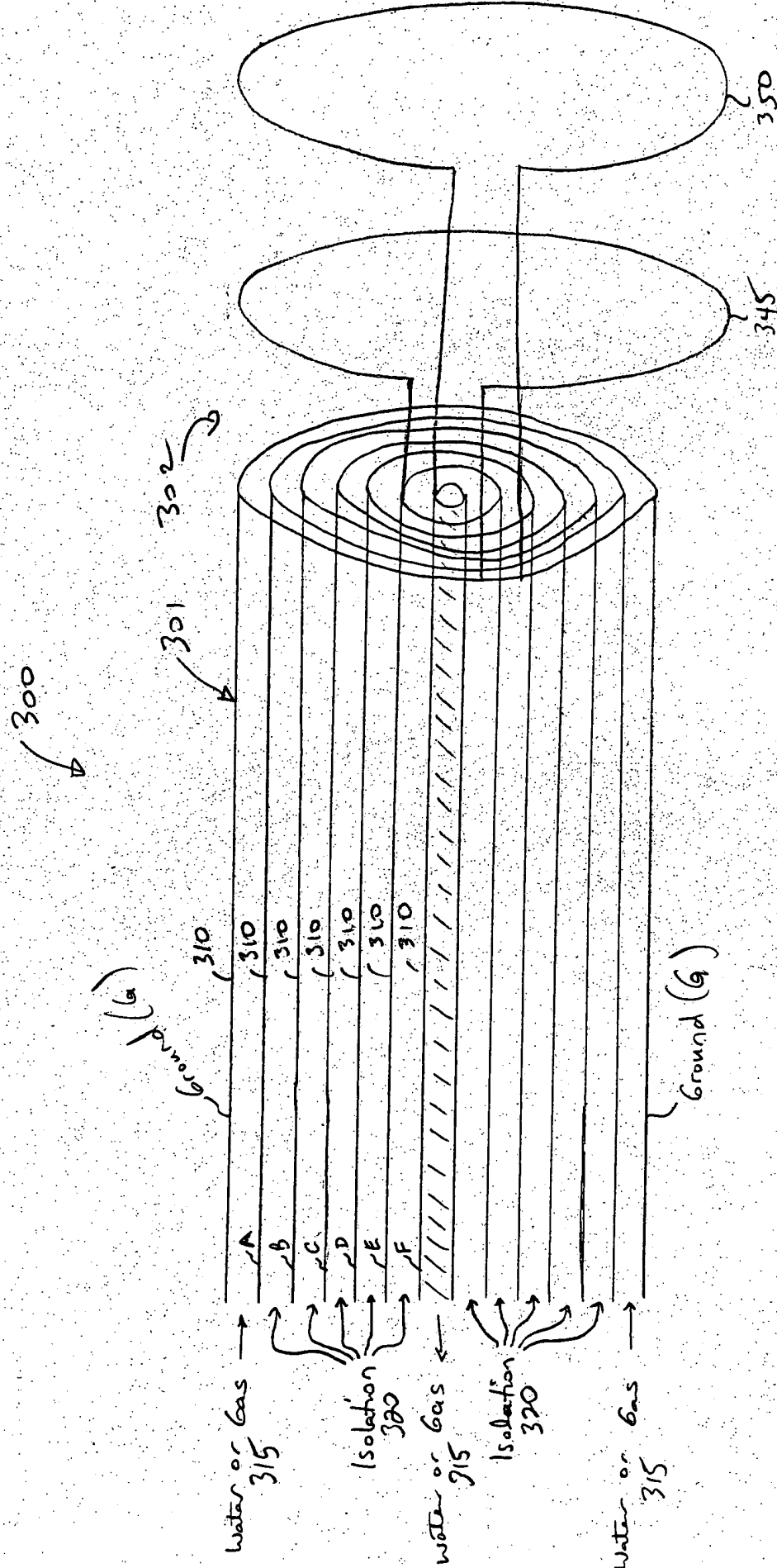


FIG. 3EF

SYSTEM AND METHOD FOR GENERATING ELECTROMAGNETIC
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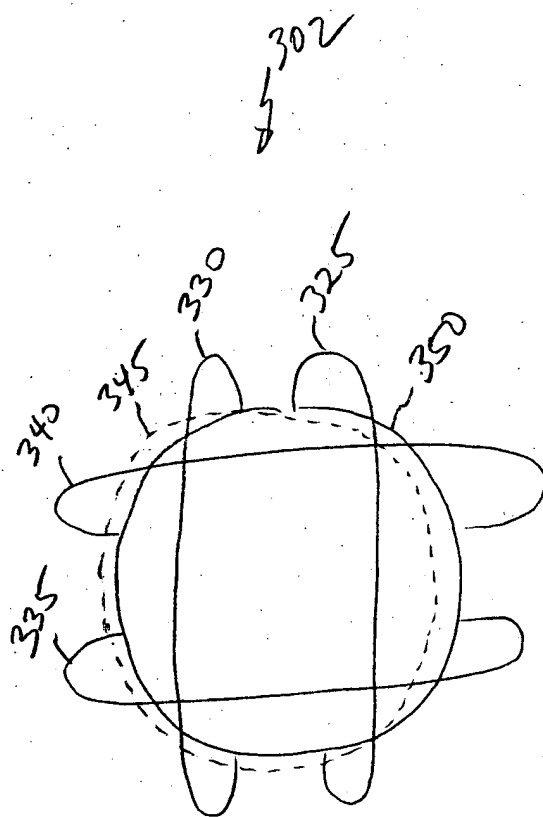


FIG. 4

SYSTEM AND METHOD FOR GENERATING ELECTROMAGNETIC
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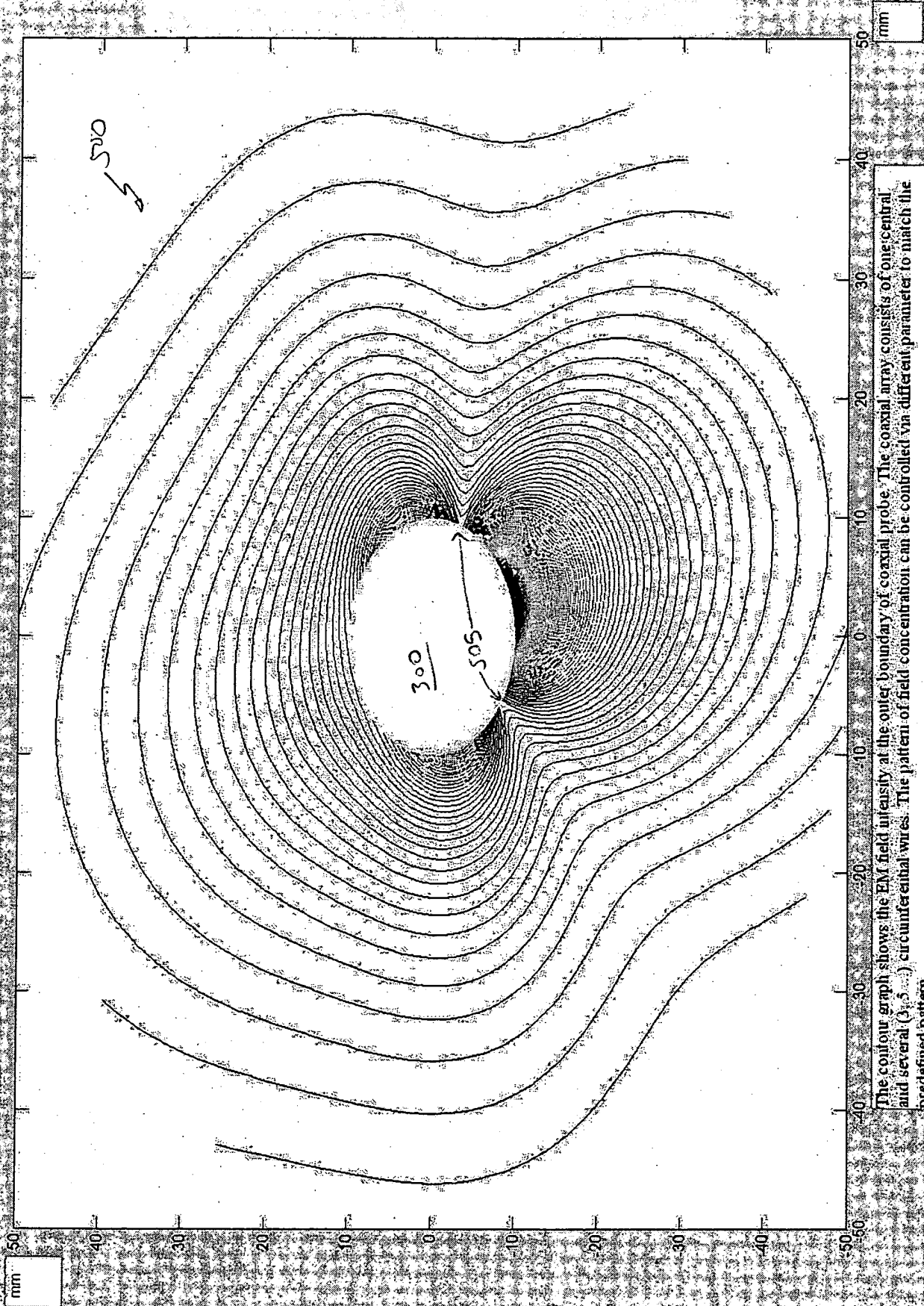


FIG. 5

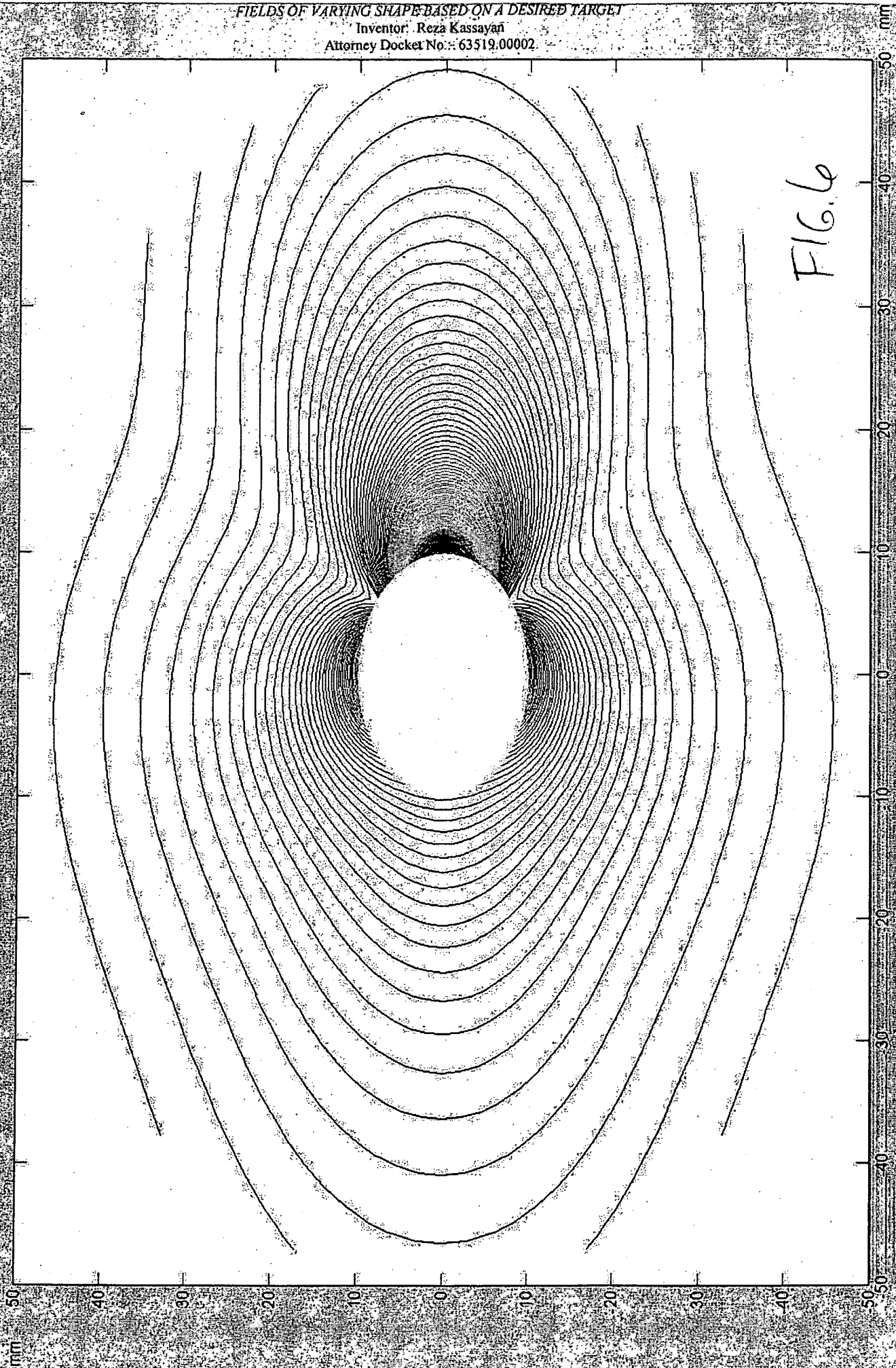


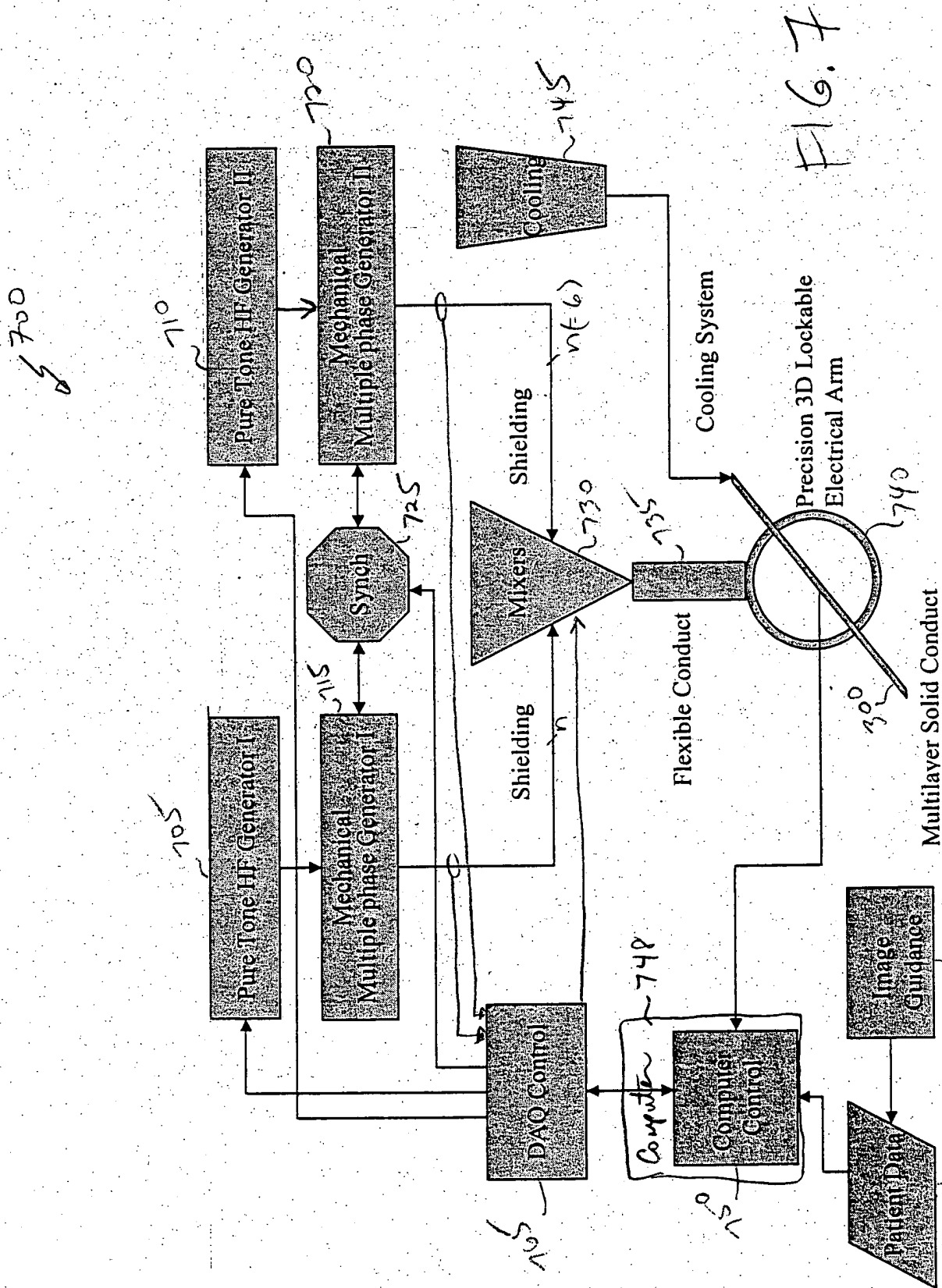
FIG. 6

The contour graph shows the EM field intensity at the outer boundary of coaxial probe. The coaxial array consists of one central and several (3, 5, 7, ...) circumferential wires. The pattern of field concentration can be controlled via different parameter to match the predefined pattern. Position of the Max. energy delivery has been rotated.

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Multiple Phase Generator 800

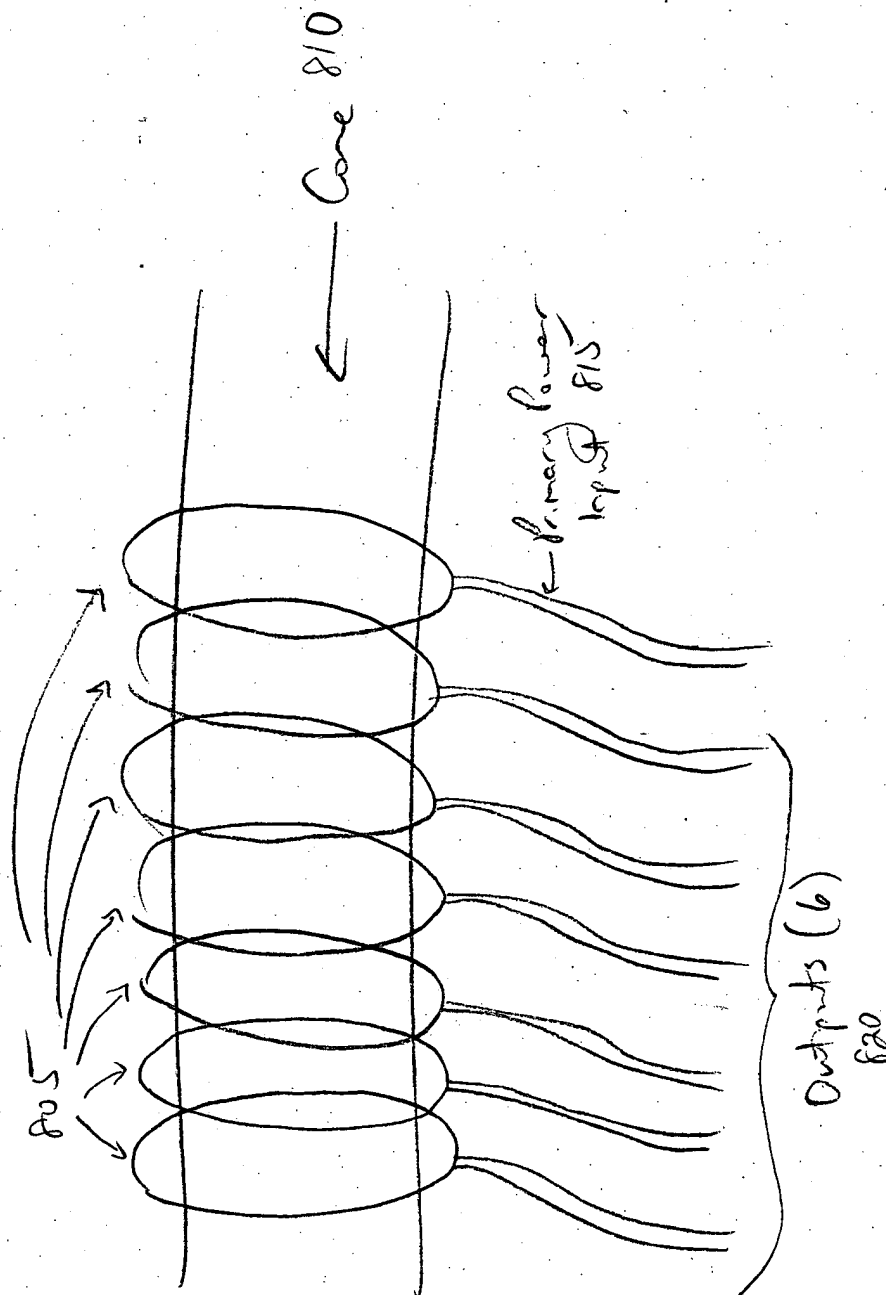
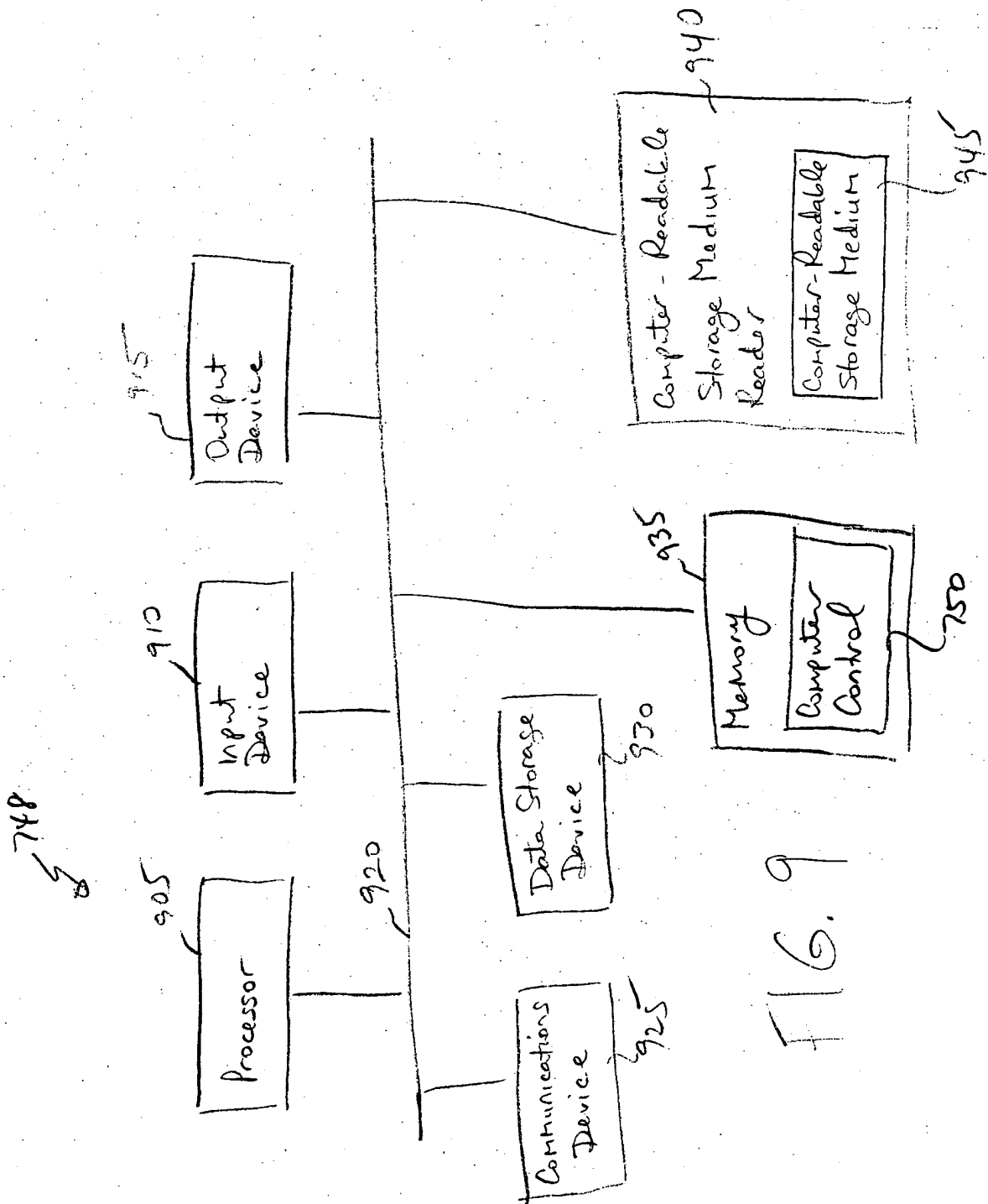


FIG. 8

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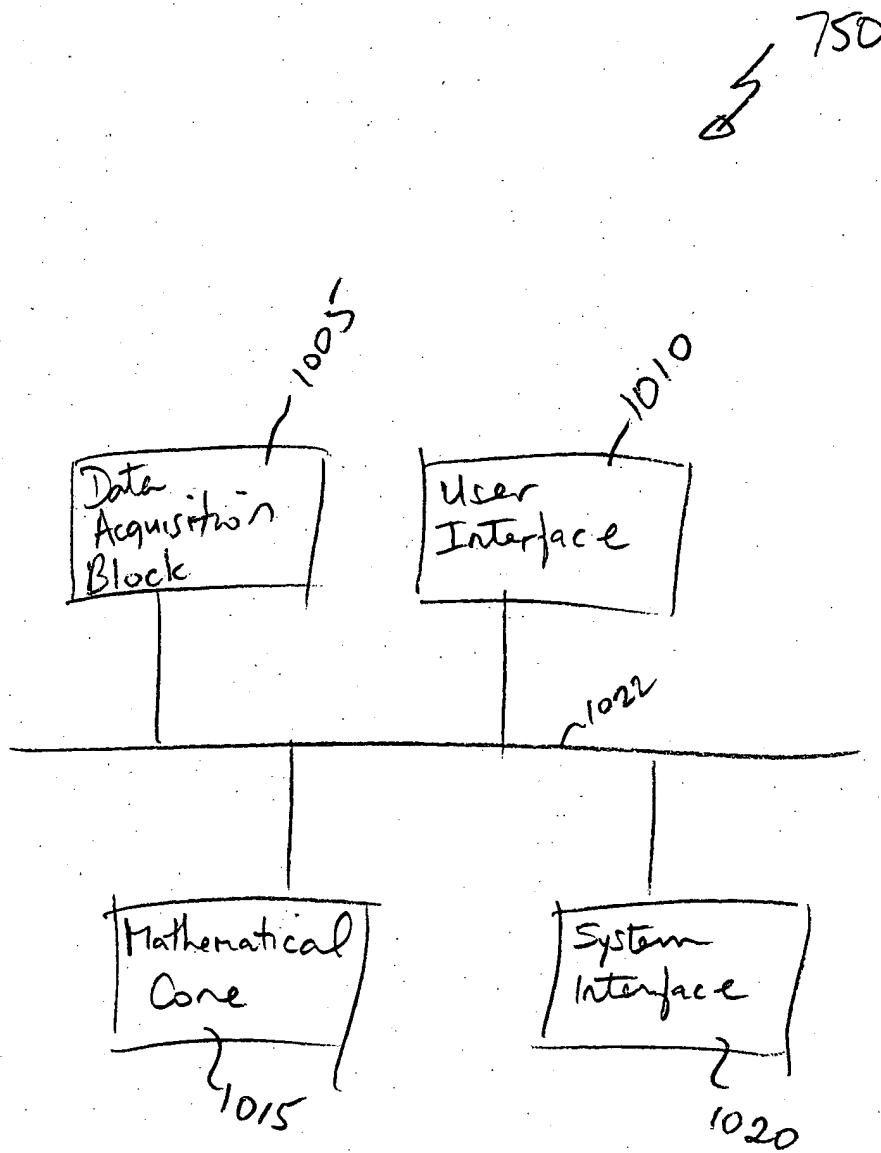


FIG. 10A

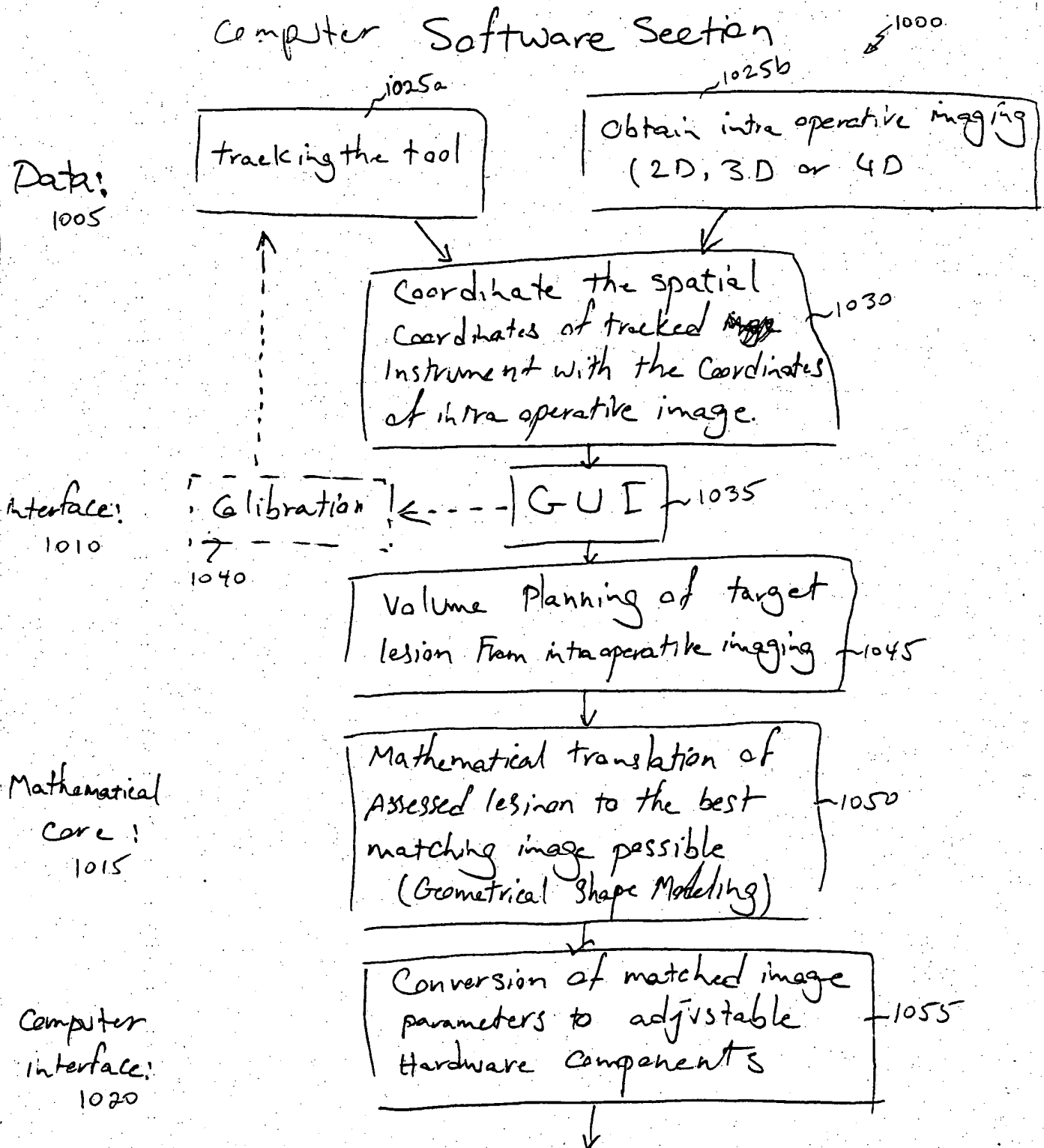


FIG. 10B

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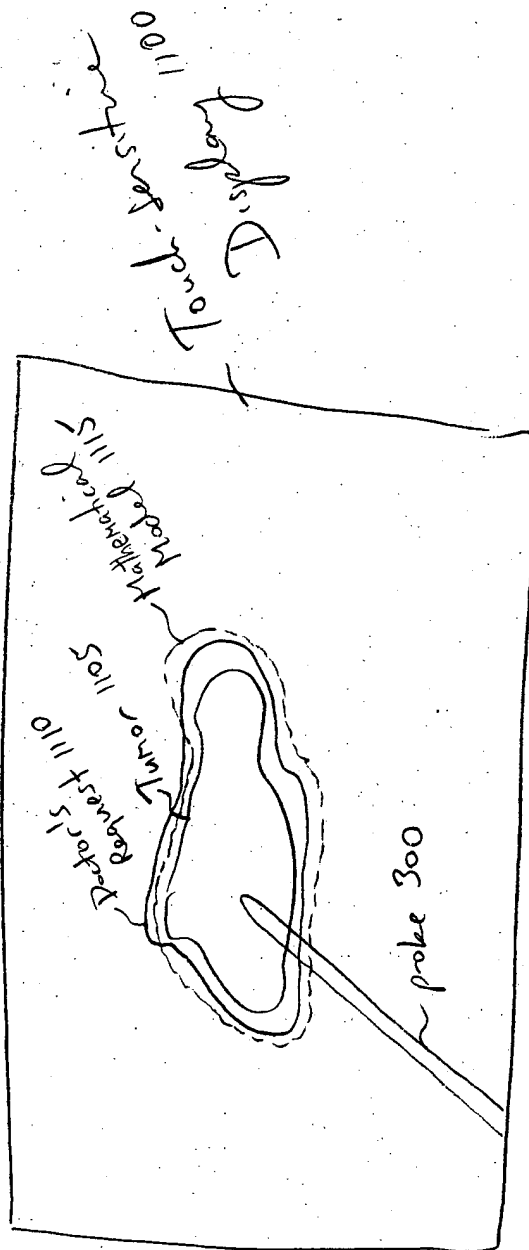


FIG. 11